

Investigations in the Field of Thebaine. II. Study of
the Product of Condensing ~~THEB~~ thebaine With Acroleine,
by S. I. Kanevskaya, Mitryagina, 4 pp.

(2)
RUSSIAN, per, Zhur: Obshchei Khimii, Vol XVIII, No 6, 1948
PP 1203-1207.

Sci Tr Center
RT-1376

Scientific - Chemistry

77,442

Dependence of Azo Coupling Ability of Azo Components of
ArX on Basicity of the Substituent X, by S. I. Burmistrov,
22 PP. UNCLASSIFIED.

RUSSIAN, per, Zhur. Obshch Khim, Vol XVIII, No 7, 1948,
pp 1361-1369.

EXX
NII Tr
RT-982

Scientific - Chemistry

16,805

6
Physico-chemical Investigations of the Complex
Compounds of Aluminium Bromide in the Fused State.
Part I, by E. Ia. Gorenbein,

RUSSIAN, no per, Zhur Obsh Khim, Vol XVIII, No 8,
1948, pp 1427-1439

Sci Mu Lib 753/0367

10.4505

Scientific - Chemistry

10,676

Glebovskaya, E. A. and Vol'kenshteyn, M. V.
SPECTRA OF PORPHYRINS IN OILS AND BITUMES.
18 p. 21 refs. MTWL: 638.
Order from OTS or ETC \$1.85
Trans. of Zhurnal Obshchei Khimii (USSR) 1948,
v. 18, no. 8, p. 1440-1451.

DESCRIPTORS: *Porphyrins, Mineral oils,
Spectrographic analysis.

61-17210

- I. Glebovskaya, E. A.
- II. Vol'kenshteyn, M. V.
- III. MTWL-638
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

AEC TR 1376
NRCC-75-281

Office of Technical Services

Mechanism of Friedel-Crafts Reaction. VII. Reaction of Vinylidene Chloride With Benzene, by V. V. Korshak, M. K. Samplavskaya.

RUSSIAN, per, Zhur Obshchei Khim, Vol XVIII, No 8, 1948, pp 1470-1475.

Assoc Tech Serv RJ-1440
" " " 72123R

Sci - Chem

Apr 59

85, 317

Polymerization of Propylene by Molecular Compounds of Boron Fluoride, by A. V. Topchiev, Ya. M. Paushkin.
RUSSIAN, per, Zh. Obshch. Khim., Vol 18, No 8, 1948, pp 1537-1544.
NLL 5828.4F (11809)

Sci - Chem
Sept. 67

340,370

Polymerization of Butadiene. IV. Dimer-
ization of Butadiene. V. Butadiene Te-
tramer, by Ya. M. Slobodin, et al,
6 pp.

RUSSIAN, par, Zhur Obshch Khim,
Vol XVIII, No 2 8, 1948, pp 1545-
1549

SLA 60-13715

Bot
Vol IV, No 5
Mar 62

188, 444

ZHUR OBSHCH KHIMII

Vol XVIII (LXXX), No 8

48

"Problem of the Structure and Conversion of Diazo
Compounds: VIII, Acid and Base Properties of Diazo
Compounds" 23 pp.

I.V. Grachev
N.A. Kirzner

Trans Nat'l Insts of Health
Bethesda, Md.
X-190

RT- 3885
PP 1525-1536

19/49T18

Catalytic Decomposit on of Diacetaldehyde.

RUSSIAN, per, Zhur Obshch Khimii, No 9, 1948.

Res Info Sv R-526

34,888 \$21.50

Sci - Chemistry

May 1956

On the Synthesis of Alkylphthalene With
the Aid of Organic Lithium Compounds.

RUSSIAN, per, Zhur Obsch Khimii, No 9, 1948.

Res Info Sv - R-520

\$19.00

Sci - Chemistry

34, 887

May 1956

On the Question of the Interaction of Chlorine
With Carbon.

RUSSIAN, per, Zhur Obshch Khim.1, No 9, 1948.

Res Info Sv - R-527

\$21.25

Sci - Chemistry

34,883

May 1956

Properties of Cupro-Complexes, by O. A. Chalkylian,
27 pp.

RUSSIAN, no par, ~~Zhurn Obshch Khim~~, Vol XVIII, No 9,
1948, pp 23 1625-1636.

SLA 60-18073
Sci Tr Center
RT-3874

39,132

Sci - Chemistry
Sep 56 GNS/dex

TT-64-20524

Free Energies of Bonds in Organic Compounds, by
V. B. Fal'kovskii.
RUSSIAN, per, Zh. Obshch. Khim, Vol 18, No 9,
1948, pp 1639-1642.
NLL 5828.4F (11697)

Sci - Chem
Sept. 67

340,155

Zharkova, V. and Moldavskii, B.
A STUDY OF THE ISOMERIZATION OF AMYLENES
AND THEIR EQUILIBRIUM CONCENTRATIONS.
Pt. 9 of Isomerization of Hydrocarbons. [1961] 8p.
Order from ATS \$12.90 ATS-87N56R

Trans. of Zhurinal Obshchei Khimii (USSR) 1948.
v. 18, no. 9, p. 1674-1690.

DESCRIPTORS: *Hydrocarbons, *Pentenes, Isomeric
transitions, Chemical equilibrium.

(Chemistry--Organic, TT, v. 7, no. 3)

62-12210

- I. Title: Amylenes
- I. Zharkova, V.
- II. Moldavskii, B.
- III. Title: Isomerization...
- IV. ATS-87N56R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Polycyclic Compounds. VIII. Benzenaphthenone
Nitrosoxide, by A. M. Lukin, L. D. Dashevskaya,
11 pp.

RUSSIAN, Izvestiya Akad. Nauk SSSR Khim. Nauk, Vol XVIII, No 9,
1948, pp 1703-1709.

26,689

Sci Trans Center
RT-2404

Scientific - Chemistry

Sep 55 CTS/DEX

Investigation of the Alkaloids of Cynaglossum
Viridiflorum. I. Viridiflorine, a New Alkaloid,
and its Structure, by G. P. Men'shikov, 7 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII,
No 9, 1948, pp 1736-1740.

Sci Tr Center
RT-2215

Scientific - Chemistry
CTS 70/JUL 55

25,228

Study of the Alkaloids of Lindelofia
Anchusoides. I. The New Alkaloids Lindelofine
and Lindelofanine and Their Structure, by
A. S. Labenskly, G. P. Men'shikov, 11 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XVIII,
No 10, 1948, pp 1836-1842.

Sci Tr Center
RT-2268

Scientific - Chemistry
CRS 70/Jul 55

25,230

Transformation of Simple Vinyl Ethers. III.
Interaction of Simple Vinyl Ethers and Organic Acids.
by N.A.Gershtein and M.F.Shostakovskii
RUSSIAN, per, Zhurnal Obshchel Khimii, 1948, vol.18,
no.11, pp.1989-1999
SLA-TT-64-20462

Chem
Aug 66

307,779

ZHURNAL OBSHCHEY KHIMII - 24 issues/year
(Journal of General Chemistry)
Translation begins with 1949, Vol. 19
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011
1971: \$ 250.00/year
\$ 30.00 single issues
\$ 15.00 single article reprints
add \$ 5.00 on overseas subscription

*Russ
old*

The Preparation of Boron Trifluoride by Acidic
Methods, by I. G. Ryss, E. M. Polyakova, 9 p.

RUSSIAN, per, Zhur Obshchey Khim, 1949, Vol XIX,
No 9, pp 1596-1603.

ATS-64L32R

Sci
Jan 60
Vol 2, No 8

105,571

Kirsanov, A.V. and Zolotov, Yu.M.
EEN NIEUWE METHODE VOOR DE OMZETTING VAN
AMIDEN VAN CARBONZUREN IN NITRILEN (New
method of transformation of carboxamides into nitriles)
tr. by G.J.M.Fritschy. 5 p. 5 refs. MTWL:481.
Order from OTS or ETC \$0.80 61-17000

Partial trans. of Zhurnal Obshchey Khimii (USSR) 1950,
v.20, p.284-288.

61-17000

- I. Cyanides
2. Amides
- I. Kirsanov, A.V.
- II. Zolotov, Yu.M.
- III. MTWL-481
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Reactions With Aluminium Chloride Obtained
According to Radzivanovskiy. Condensation of Benzene
With Some Aliphatic Unsaturated Halogen Derivatives
and Polyhalogenated Compounds, by B. N. Dolgov,
N. A. Larin, 13 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XX, 1950,
pp 450-457.

OTS 61-17174

In Luth
Sci
May 62

Befles, R.G. and Postovskii, I.Ya.
DE BEREIDING VAN NAPHTACEEN (Preparation of
naphthalene). 7 p. 7 refs. MTWL: 461 (Text in Dutch)
Order from OTS or ETC \$1.85 61-17026

Trans. of Zhurnal Obshchei Khimii. (USSR) 1950,
v. 20, no. 3, p. 516-521.

DESCRIPTORS: *Naphthalenes, Preparation.

61-17026

- I. Befles, R.G.
- II. Postovskii, I.Ya.
- III. MTWL-461
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

Levina, R. Ya., Skvarchenko, V. R., and others.
SYNTHESE VAN KOOLWATERSTOFFEN. X. GE-
DEELTELIJKE REDUCTIE VAN DIEENKOOLWATER-
STOFFEN MET EEN GECONJUGEERD SYSTEEM VAN
DUBBELE BINDINGEN MET NATRIUM IN VLOEIBARE
AMMONIAK. (Synthesis of Hydrocarbons. X. Partial
Reduction of Diene Hydrocarbons with a Conjugated
Double Bond System by Means of Sodium in Liquid
Ammonia). 11p. 13 refs. MTWL: 358. (text in Dutch).
Order from OTS or ETC \$1.55 61-17619

Trans. of Zhurnal Obshchei Khimii (USSR) 1950,
v. 20, no. 4, p. 684-689.

DESCRIPTORS: *Hydrocarbons, *Reduction, Sodium,
Ethylenes, Ammonia, Liquids.

61-17619

- I. Levina, R. Ya.
- II. Skvarchenko, V. R.
- III. MTWL-358
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Rabinovich, B. Ya.
MOLECULAIRE VERBINDINGEN VAN ALUMINIUM-
BROMIDE MET AMMONIAK EN AROMATISCHE
KOOLWATERSTOFFEN (Molecular compounds of
aluminium bromide with ammonia and aromatic hydro-
carbons). 12 p. 25 refs. MTWL: 451 (Text in Dutch).
Order from OTS or ETC \$1.85 61-17040

Trans. of Zhurnal Obshchei Khimii (USSR) 1951,
v. 21, no. 1, p. 66-73.

DESCRIPTORS: *Aluminum compounds, *Bromides,
*Ammonia, *Carbohydrates, *Benzenes, Molecular
association.

61-17040

- I. Rabinovich, B. Ya.
- II. MTWL-451
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

Index, 81 pp.

RUSSIAN, per, Zhur Obshch Khimii, Vol XXI, 1951.

Consultants Bureau

Available CIA Library *D / 51347*

Investigation of the ~~of~~ Isomerization and Polymerization Process of Dimethylvinylcarbinol as a Function of the pH of the Reagent~~s~~, by A. I. Lebedeva, E. L. Shchukovskaya, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI, 1951, pp 1132-1139.

ATS-RJ142

Sci

Aug 59

93,597

61-18831

Terentev, A. P. and Kost, A. N.
SYNTHESES WITH ACRYLONITRILE. XIV. PREP-
ARATION OF SUCCINODINITRILE. [1961] 4p. 10 refs.
Order from OTS or SLA \$1.10 61-18831

Trans. of *[Zhurnal Obshchei Khimii]* (USSR) 1951,
v. 21 [no. 10] p. 1867-1869.

DESCRIPTORS: *Acrylonitriles, Synthesis, *Nitriles,
Synthesis, Potassium compounds, Magnesium com-
pounds, Sulfates.

A method is given for obtaining succinodinitrile (80-85%
yield) by the action of acrylonitrile on a saturated aque-
ous solution of a mixture of KCN and $MgSO_4$. In the
case of acrylonitrile it is shown that HCN can be re-
placed very satisfactorily in practical work by a mix-
ture of a solution of KCN + $MgSO_4$. (Author)

(Chemistry--Organic, TT, v. 6, no. 9)

I. Terentev, A. P.
II. Kost, A. N.
III. Title: Preparation...

155489

Office of Technical Services

Index to the Periodical, The Journal of General
Chemistry of the USSR, 72 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XXIII, 1953.
CIA C 41478

Consultants Bureau

Interaction of Kinymetrical RNg:
N reury Compounds with Phenols, by N. N.
Koton, A. A. Bol'shakova, Sp.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol 23, No 12, 1953, pp 2023-2027.
OTS TR-65-60310

333, 827

Sci
Aug 67

Toropova, V. F.
THIOSULPHATE COMPLEXES OF MERCURY, 11p.
13 refs. MTWL: 741
Order from OTS or ETC \$1.55 61-17271

Trans. of Zhurnal Obshchei Khimii (USSR) 1954, v. 24,
no. 3, p. 423-427.

DESCRIPTORS: *Mercury compounds, Complex
compounds, *Thiosulphates. Polarographic analysis.

61-17271

- I. Toropova, V. F.
- II. MTWL.-741
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

The Transformation and Synthesis of Carbohydrates
Report XI. Study of the Oxidation of Ketoses, by
V. M. Borenovskiy, L. I. Spreschman, 8 pp.

RUSSIAN, per, Zhur Obshch Khim (USSR), Vol XXIV,
No 5, 1954, pp 855-858.

LC or SLA 59-10014

Sci - Chemistry
Feb 59

1.8^b

81,532

Zhurnal Obshchey Khimiy

Vol 26, Nos 7-12, 1956

Vol 27, Nos 1-12, 1957

Vol 28, Nos 1-9 , 1958

Cover-to-cover Consultants Bureau

Avail Br 5 Lib

S-171/60

(DC-3524).

The Hydrogen Exchange of Phenol, Its Ethers, and Aromatic Amines With Liquid DBr, by A. I. Shatenshteyn, et al, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2633-2644.

JPRS 3374

118,666

Sci - Chem
Jun 60

S-172/60

(DC-3524).

Hydrogen Exchange of Phenol and Its Ethers With
Solutions of Potassium Amide in Liquid Deutero-
ammonium, by A. I. Shatenshteyn, A. V. Vedencyev, 14 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10,
1958, pp 2644-2652.

JPRS 3375

118,667

Sci - Chem
Jun 60

Dehydrogenation Kinetics of Cyclohexane and Its Homologs
on a Chromia Catalyst at Atmospheric Pressure, by
G. N. Maslyanskiy, N. R. Bursian.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10,
1958, pp 2656-2662.

ATS RJ-1605

Sci - chem
Jul 59

90,440

The Investigation of Structural Properties and Chemical Transformations of Carbazole and Some of Its Derivatives, by S. I. Omelchenko, Z. V. Pushkareva, 9 pp. UDCI

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 10, 1958, pp 2706-2710. 9660720

ATTC MCL-254/III

Sci - Chem

149,685

Apr 61

Telecom IC 41547

ZHURNAL OBSHCHEY KHIMIY

Vol 28, Nos 11-12, 1958

Vol 29, Nos 1-12, 1959

Vol 30, Nos 1-11, 1960

Cover-to-cover Consultants Bureau

Available Br 5 Library

Fedorova, G. K. and Kirsanov, A. V.
REACTION OF PHOSPHORUS PENTACHLORIDE WITH
UNSATURATED HYDROCARBONS. [1961] 6p.
Order from ATS \$7.50 ATS-72N51R

Trans. of *Zhurnal Obshchei Khimii* (USSR) 1960,
v. 30, no. 12, p. 4044-4048.

DESCRIPTORS: Phosphorus compounds, *Chlorides,
*Hydrocarbons, Chemical reactions.

(Chemistry--Organic, TT, v. 6, no. 7)

61-25215

I. Fedorova, G. K.
II. Kirsanov, A. V.
III. ATS-72N51R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

161935

Office of Technical Services

61-18808

I. Yarovenko, N. N.
II. Motornyi, S. P.

185485

Office of Technical Services

Yarovenko, N. N. and Motornyi, S. P.
METHODS OF PREPARATION OF FLUORINE ANALOGS OF DICHLOROFORMALDEHYDE OXIME.
7 Mar 60 [7]p. 6 refs.

Order from OTS or SLA \$1.10 61-18808

Trans. of Zhurnal Obshchei Khimii (USSR) 1960,
v. 30, no. 12, p. 4066-4069.

DESCRIPTORS: Preparation, *Fluorine, *Chlorides,
*Oximes, *Formaldehyde, Chemical reactions,
Reduction, Nitroso radicals, *Sulfonyl radicals.

Experiments established that on reaction of Cl_2FCSCl and ClF_2CSCl with HNO_2 , the corresponding nitroso compounds and sulfonyl chlorides are formed. $ClFCNOH$ can be obtained (in ether solution) by the reaction of Cl_2FCNO with H_2S .

(Chemistry--Organic, TT, v. 6, no. 9)

Martynov, V. F. and Titov, M. I.
THE USE OF ETHYL FLUOROACETATE IN THE
DARZENS REACTION. 13 July 61 [3p. 2 refs.
Order from OTS or SLA \$1.10 61-18686

Trans. of Zhurnal Obshchei Khimii (USSR) 1960,
v. 30, no. 12, p. 4107-4108.

DESCRIPTORS: *Acetates, *Fluorides, *Ethyl radicals,
Condensation reactions, Synthesis, Decomposition,
Water, Molecular weight, Chemical analysis.

Ethyl fluoroacetate was condensed with benzaldehyde
in the presence of dry sodium ethoxide under the usual
conditions for this synthesis, without any precautions.
Results showed that the Darzens reaction goes by an
aldol mechanism. (Author)

(Chemistry--Organic, TT, v. 6, no. 9)

61-18686

I. Darzens reaction
I. Martynov, V. F.
II. Titov, M. I.

185470

Office of Technical Services

ZHURNAL OBSHCHEY KHIMIY

Vol 31, Nos 1-12, 1961

Vol 32, Nos 1-12, 1962

*Cover-to-Cover Consultants Bureau
Available from Consultants Bureau*

Compounds With a Potential Antitubercular Activity
VI. Thioamide Amidoximes, Arnidrazones and S-Oxides
of Certain Heterocyclic Acids, by T. P. Sycheva,
T. Kh. Trupp, 9 pp.
RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, 1962,
pp 3669-3674.
CIA/FDD JDM-1519
NO FOREIGN DISSEM

Sci - Chem

Apr 64

~~Dissemination Only~~

USIB Internal Use Only

255,171

ZHURNAL OBSHCHEY KHIMIY

Vol 33, Nos 1-9, 1963

Cover-to-cover Consultants Bureau

Available Lib Serials

ZHURNAL OBSHCHEY KHIMIY

Vol 33, Nos 11 & 12, 1963

Cover-to-cover Consultants Bureau

Vol 33, No 11, 1963, pp 3455-3460 JPRS 22794 9 pp

-
Available Library Serials

ZHURNAL OBSHCHEY KHIMIY

Vol 34, No 1-8, 1964

*Cover-to-cover Consultants Bureau
Available at Library Serials*

Vol 34, No 5, 1964, pp 1693-1695 FTD-TT-64-1050 11 pp
9695846

ZHURNAL OBSHCHEY KHIMIY

Vol 34, No 10-12, 1964

Cover-to-cover Consultants Bureau

Available Libr Ser

/ Zhurnal Prikl. Khim., **XX** 997-1004, 1947

Decomposition of Mixtures of Hydrocarbons in an Arc
Discharge

A. F. Dobryanskiy and A. D. Kokurin (Leningrad Technol-
ogical Inst)

(Wilson Dam 2684)

V
Vinyl Formate, by S. N. Ushakov, I. A. Arbuzova,
E. N. Rostovskiy, 10 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XX,
No 10, 1947, pp 1013-1018.

Sci Trans Center RT-3404

Scientific - Chemistry

32,645-

Apr 56

Zhur Prik Khim, XX, 1053-82 (1947)

Technology of Fertilizers and Sulfuric Acid in the USSR f
for 30 years

S. I. Vol'fkovich and A. M. Dubovitskiy

(Wilson Dam 2728)

SLA R-3021

VOINVIZHENSKI, G. S.

Zhurnal prikladnoi khimii, vol. 20, No. 9, 1 table,
2600 words; 1967.

Mechanism of the Electrodeposition of Nickel.

Brutcher Trans., Order No. 2144, \$4.55.

Nikitin, N. I.
SUCCESSIONS OF SOVIET WOOD CHEMISTRY DURING
THE PAST THIRTY YEARS. 25p. 64 refs. MTWL:197.
(text in Dutch).
Order from OTS or ETC \$1.95

61-17821

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,
v. 20, no. 11, p. 1083-1096.

DESCRIPTORS: SSSR, *Wood, *Chemistry.

61-17821

- I. Nikitin, N. I.
- II. MTWL-197
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Physicochemical Investigations in the Field of the
Ammonia-Soda Process. VI. Dependence of Velocity of
Carbonization of Ammonia-Salt Solutions on Partial
Pressure of CO₂ in Carbonizing Gas, by A. P.
Belopol'skiy, 23 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XX, No 11, 1947,
pp 1133-1144.

Sci Tr Center
RT-1592

Scientific - Chemistry

CTS/DEX

18,786

On the Mechanism of the Setting and Hardening of
Puzzolanic Cements, by Yu. G. Shteynbergh, 5pp.

RUSSIAN, Zhur Prii Khim, Vol 20, No 11, 1947,
pp 1165-70.

See Watford: Building Research Station.

BRL Comm No 312.

Sci Museum No 51/2750

Scientific - Chemistry

The Behaviour of Sulphated High-Alumina Cement Exposed to
Chemical Agents, by P. P. Budnikov, I. G. Goldenberg.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 11, 1947.

Sci Mus Lib 50/1013

Scientific - Chemistry

16,718

Pospekhov, D.A.
VERGELIJKENDE KARAKTERISTIEK VAN KATALY-
SATORS VOOR DE METHANOLSYNTHESE (Compa-
ring characteristics of catalysts for the synthesis
of methanol), tr. by G.J.M. Fritschy. 6 p. 26 refs.
MTWL:477. (Text in Dutch)
Order from OTS or ETC \$0.80

61-17025

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20,
p.1182-1184.

61-17025

- I. Methanol- Synthesis
- I. Pospekhov, D.A.
- II. MTWL-477
- III. Stichting Moeilijk Toeganke-
lijke Wetenschappelijke Lite-
ratuur

Office of Technical Services

Physicochemical Investigations in the Field of the
Ammonia-Noda Process. VII. Application of Theory
of Absorption, Complicated by Chemical Reactions
in the Liquid Phase, to Carbonization of Ammonia-
Salt Solutions, by A. P. Belopol'skiy, 16 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 11, 1947,
pp 1145-1154.

Sci Tr Center
RT-1574

Scientific - Chemistry

18,787

CTS/dxx

Stability of Industrial Ammoniacal Copper Solutions,
by K. P. Pavlov and I. I. Lopatin.

Full translation.

RUSSIAN, no per, Zhur Prikl Khim, Vol XX, No 12, 1947,
pp 1223-1234.

Assoc Tech Sv Tr RJ-88

Scientific - Chemistry

Mar 53 CTS

\$24.80 (\$3.50)

SAH R-2101

Physicochemical Investigations in the Field of the
Ammonia-Soda Process. VIII. Concerning the
"Ammoniation" in the Middle Range of the Carboni-
zation of Ammonia-Salt Solutions, by A. P.
Balogol'skiy, 14 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XX, No 12, 1947,
pp 1235-1241.

Sci Tr Center
RT-1575

Scientific - Chemistry

CTS/DEX

18,789

Kumanin, K. G.
A LABILE THERMOREGULATOR [Labil'nyi
Termoregul'yator]. [1963] 9p. 8 refs.
Order from OTS or SLA \$11.10 63-14831

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,
v. 20, no. 12, p. 1242-1247.
Another trans. is available from LC or SLA at \$1.80,
pb \$1.80 as 59-19124, LC-355, Oct 49 [10]p.

DESCRIPTORS: *Calorimetry, *Furnaces, *Temperature control, *Thermocouples, Thermostats, Design.

A method of thermal analysis was worked out, based on the principle of automatic control of the temperature difference between the wall of a furnace and the sample being investigated (labile thermoregulator). The labile thermoregulator insures the correct securing of the physical expression of isothermal and (Engineering--Chemical, TT, v. 10, no. 6) (over)

63-14831

I. Kumanin, K. G.

Office of Technical Services

Synthesis of Ethylene Chlorohydrin. V. Use of
High Pressures, by E. A. Shilov, S. M.
Solodushnikov. USSR

RUSSIAN, per, Zhur Erik Elm Khim, Vol XX, 1947,
pp 1270-1282.

DSIR LILU H.1062

CLA 60-15.64

(can)

Sci - Chem
Mar 60

111,126

Synthesis and Properties of Mono- and Poly-
alkylnaphthalenes, III., by D. N. Androyev, A. D.
Petrov, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol ~~XXI~~ XXI, No 2,
1948.

CSIR Tr No 231

815,937

Sci - Chem

Oct 62

Polymorphous Transformation Of Calcium Orthosilicate,
by F.I. Vasenin.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XXVIII,
No 1, 1948, pp 10-17.

CSIRO

Oct. 62

VOSKRESENSKAYA, N. K.

Zhurnal Prikladnoi Khimii, vol. 21, No. 1, 3 figures,
4 tables, 4400 words; 1948.

Heat Capacity of Mixtures of Sodium and Potassium
Nitrites and Nitrates.

Butcher Trans, Order No. 2153, \$7.70.

Polymorphic Transformations of Calcium
H Orthosilicate, by F. I. Vasevich, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXI, 1948,
pp 10-17.

EX SLA R-2604

Sci - Chem

Jun 59

89,589

The Theory and Practice of the Ammonia-Soda Process.
Contribution to the Theory of the Process of
the Carbonization of Ammonical brines, by Ya. R.
M. Platkin, 37 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXI, No 1, 1948,
p. 82-100.

Sci Tr Center
RT-1593

Scientific - Chemistry

CTB/DEX

18,755

E-2945

Recalculation of Adsorption Isotherms, by
G. V. Vinogradov.

RUSSIAN, per, Zhur Prii Khim, Vol XXI, 1946,
pp 101-103.

14/11/57

Acetylation of Alpha-cyanohydrins, by A. IA.
Yalubovich, V. A. Rudenko, E. M. Markulova, 12 pp.

RUSSIAN, per, Zhur. Prikladnoi Khim., Vol XXI, No 2,
1948, pp 151-155.

Sci Trans Center RT-2567

USSR

Scientific - Chemistry

28,269

Nov 55
CTS/DEX

TT-63-20164

Pozin, M. E.
THE THEORY OF CHEMICAL ABSORPTION. X. THE
CRITERIAL EQUATION OF MASS TRANSFER
THROUGH THE DIFFUSION LAYER OF GAS IN THE
PROCESS OF SCRUBBER ABSORPTION [Teoriya
Khemosorbtsii, X.] [1963] [16p] 5refs
Order from OTS, SLA, or ETC \$1.60 TT-63-20164

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948,
v. 21, no. 3, p. 218-226. (Abstract available)

DESCRIPTORS: *Absorption, *Towers (Chemistry),
Transport properties, Diffusion, Gases, Equations,

The task of the experimental study was to verify the
finding from the experimental data of the function
 $Nu_g = f(Re_g, Pr_g)$, with the aim of verifying the
functional bonds, which determine the magnitude of the
partial coefficient of absorption k_g , characterizing the
rate of mass transfer through the diffusion layer of
(Chemistry--Physical, TT, v. 11, no. 4) (over)

I. Pozin, M. E.
II. Title: Criterial...

Office of Technical Services

VINOGRADOV, G.V., and BORODULINA, L.P.
R-2876. Nomographs for the Langmuir equation.
Zhur. Priklad. Khim., 21, p.249-50, 1948. (4p.)

Gel'd, P. V., Yesin, O. A. and Maron, F. S.
THE ELECTROLYTIC NATURE OF COMMERCIAL
LIQUID CALCIUM CARBIDE (Elektroliticheskaya
Priroda Zhidkogo Tekhnicheskogo Karbida Kaltsiya).
Apr 61 [15] p. 22 refs. RTS-1793.
Order from OTS or SLA \$1.60

61-19704

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1948.
v. 21, no. 3, p. 251-259.

DESCRIPTORS: Calcium compounds, *Carbides,
Electrochemistry, Conductivity, *Fused materials,
Salts.

(Chemistry--Physical, T.T. v. 6, no. 2)

61-19704

I. Gel'd, P. V.
II. Yesin, O. A.
III. Maron, F. S.
IV. RTS-1793
V. Department of Scientific and
Industrial Research
(Cz. Brit)

108590

Office of Technical Services

ZIUR PRIK KHM

Vol XXI, No 3, 1948,
8 pp

"Research on Raw Materials for the Production of Mineral
Wool"

V. F. Zhuravlev
M. M. Sychev

AEC/BNL/tr-138

70T23

Synthetic Carbamide from Ammonia and Carbon
Dioxide, by G. A. Yakovkin, 14 pp.

RUSSIAN, *er*, *Zhur Prikl Khim*, Vol I, 1928,
pp 70-77.

SLA R-2921

Sci

Jul 59

92, 359

**Barium Process of Manufacturing Alumina
from Bauxites and Aluminum Silicates
Rich in Silica, by G. G. Urazov and A. V.
Chitayev, 23 pp.**

RUSSIAN, per, Zhur Prik Khim, Vol I, 1928,
pp 96-109.

BLA R-2292

Sci

72, 559

Aug 58

Catalytic Chlorination of Acetic Acid, by G. D.
Lyubarskiy, 13 pp.

RUSSIAN, per. Zhur Prikl Khim, Vol II, No 5, ~~1929~~⁹
1929, pp 621-627.

Sci Trans Center RT-656

Scientific - Chemistry
CTS/DEM

10,970

The Flow Pressure of Metals and Their Alloys at
Different Temperatures, by V. P. Shishokin.

Full translation.

RUSSIAN, no page, Zhur Prikl Khim, Vol II, No 6, USSR,
1929, pp 663-673.

SEC Tr 1505

Scientific - Minerals, metals, chemistry, alloys

9/53/0110

Polymerization and Solubility of Phosphates, by S. S.
Dragunov; 8 pp.

RUSSIAN, per, Zhur Prii Khim, Vol III, -1930, pp
797-805.

SLA R-2813

Sci

Jul 59

91,410

Electrolytic Production of Potassium
Ferricyanide, by V. P. Il'inskiy, N. P.
Lapin, 29 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol III, No 7, 1930, pp 981-998.

Sci Tr Center *RT 3604*

Chemistry *36,154*

Jun 56 CTS

Investigation on the Preparation of Liquid Gold,
by V. E. Tishchenko, S. A. Smirnov.

RUSSIAN, per, Zhur Prik Khim, Vol III, No 7,
1930, pp 1041-1051.

WIL HTS 1942

Sci - Chem

Aug 62

211, 306

Volumetric Determination of Carbonates of
Alkaline Earth Metals, by A. V. Filosofov,
3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol IV, 1931,
pp 532-534.

SLA R-2491

Sci

Aug 58

72,805

Precipitation of Magnesium Chloride from Hydrochloric
Acid Solutions, by A. P. Obukhov, V. P. Lavrov,
8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IV, 1931, pp
994-1001.

SLA R-3942 62-18144.

Sci

Aug 59

94,153

Solubility of Sodium Carbonate and Sodium Sulfate in Various Concentrations of Sodium Hydroxide at Various Temperatures, by G. V. Prikhod'ko.

RUSSIAN, no per, Zhur Prik Khim, Vol V, 1932, pp 31-33.

Assoc Tech Sv RJ-264
\$4.40

Scientific -- Chemistry
CTS 73/Oct 1955

27,722

The Absorption of Silicon Tetrafluoride on Sodium Fluoride, by V. S. Yatlov, I. G. Ryss, 22 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol V, No 3/4, 1932, pp 332-343.

Sci Tr Center RT-2788

Scientific - Chemistry
Dec 55 CTS/DEX

29,491
SLAR-3330

Novakovskii, M. S.
DETERMINATION OF HEAT CAPACITIES OF LIQUIDS
OF THE AMMONIA-SODA PROCESS. [1961] 3p.
Order from ES \$2.50

Trans. of Zh[urnal] Prikladnoi Khimii (USSR) 1932,
v. 5, p. 344-346.

DESCRIPTORS: Sodium compounds, Carbonates,
Production *Solvay process, Analysis.

(Unannounced)

61-25128

I. Novakovskii, M. S.
II. Stux, Erica, Akron, Ohio

184182

Office of Technical Services

Oxidation of Phosphorous Acid, by I. N. Bushmskin, &
I. P. Molodtsov, P. Y. Rachinskii, 138p.

RUSSIAN, per, Izvestiya Akad. Nauk SSSR, Vol V, 1932, pp.
557-566.

SLA R-2980

Sci

Jul 59

91,409

Purification of Hydrogen Containing Phosphine Under
Pressure, by I. N. Bushmakin, M. V. Rysakov, 12 pp.

RUSSIAN, per, Zhur Prih Khim, Vol V, 1932, pp
705-713.

SLA R-2982

Sci

Jul 59

92,583

The Corrosion of Metals and Alloys ^b by Phosphoric
Acid and Phosphorus. by M. Ryskov, I. N. Bushmekin,
7 pp.

RUSSIAN. per, Zhur Prikl. Khim., Vol V, 1932, p. 715-~~7~~
721.

SLA R-2871

S
Sci

Jul 59

42, 728

Zelinskii, N. D. and Kozlov, N. S.
DECOMPOSITION OF NATURAL AND SYNTHETIC
RUBBER IN THE PRESENCE OF ALUMINUM
CHLORIDE. [1961] 8p 8rds
Order from OJS, SLA, or BTC \$1.10 TT-61-16813

Condensed trans. of ~~Journal~~ Prikladnoi Khimii (USSR)
1933. v. 6, [no. 1] p. 36-44.

DESCRIPTORS: *Rubber, *Synthetic rubber, De-
composition, Aluminum compounds, Chlorides,
Hydrocarbons, Polymerization.

(Engineering--Chemical, TT, v. 11, no. 3)

TT-61-16813

I. Zelinskii, N. D.
II. Kozlov, N. S.

Office of Technical Services

Equilibrium in the System $\text{Na}_2\text{SiFe}-\text{NaCl}-\text{H}_2\text{O}$, by
V. M. Andreev, S. E. Chrikov, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VI, No 2,
1980, pp 224-227.

SLA R-2814

SA

JUN 59

91,466

Purification of Hydrogen Used in Ammonia Synthesis
by Removing Hydrogen Sulfide With Activated Charcoal,
by V. P. Postnikov, I. P. Kirillov

RUSSIAN, per, Zhur Prikl Khim, No 6, pp 240-244,
1933.

AEC-TR-1533

Scientific - Chemistry

1302

Kazanski, B. A., Balandin, A. A., Tserkovnikov, N. M., Ivanova, K. A., and Staroverova, E. N.
PREPARATION OF BUTYL AND HEXYL ALCOHOLS FROM BY-PRODUCTS OF SYNTHESIS OF 1,3-BUTADIENE FROM ETHANOL. [1961] 9p 8refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16809

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1933, v. 6, p. 266-273.

DESCRIPTORS: *Alcohols, *Butadiene, Hexyl radicals, Hydrogenation, *Nickel catalysts, *Butadienes, Synthesis (Chemistry), *Ethanol

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16809

1. Title: n-Hexyl alcohol
- I. Kazanski, B. A.
- II. Balandin, A. A.
- III. Tserkovnikov, N. M.
- IV. Ivanova, K. A.
- V. Staroverova, E. N.

Office of Technical Services

Conversion of Gas Obtained in the Electrothermal
Volatilization of Phosphorus, Part II., by B. N. Dol-
gov, B. A. Bolotov, N. P. Salim, 20 pp.

RUSSIAN, per, Khim Prikl Khim, Vol VI, 1933, pp 479-
493.

SLA R-3341

Sci

Aug 59

93,582